

AMENDMENT TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended). A secure device, comprising:

a receiver that receives information, including terminal application identification information that identifies a terminal application, from a gate equipment when the secure device enters a range of communication of the gate equipment;

an authentication section authenticator that performs authentication processing for a with the gate equipment according to a processing request from the gate equipment, and outputs a response for the gate equipment to a transmitter;

a holder that holds the terminal application, the terminal application corresponding to the terminal application identification information;

a terminal application installed at a terminal; and

a control section that installs the terminal application designated by the gate equipment on the terminal in the event controller that outputs a request for installation of the terminal application to the transmitter when authentication between the authentication section authenticator and the gate equipment is successful, wherein the transmitter transmits the response to the gate equipment, transmits the request for installation to a terminal and transmits the terminal application to the terminal when the secure device enters the range of communication of the gate equipment.

2. (currently amended). A secure device according to claim 1, wherein the secure device comprising:

an authenticator that performs authentication processing with a gate equipment according to a processing request from the gate equipment, and outputs a response for the gate equipment;

a holder that holds a terminal application, and holds correspondence information defining a correspondence relationship of between the gate equipment and the terminal application, and
the ;

a control-section controller that outputs a request for installation of installs the terminal application at the terminal only in the event when the relationship of between the terminal application designated by the gate equipment and the gate equipment matches with the correspondence information;

a receiver that receives the processing request from the gate equipment when the secure device enters a range of communication of the gate equipment; and

a transmitter that processes a transmission request, and transmits the terminal application to a terminal when the secure device enters the range of communication of the gate equipment.

3. (currently amended). The secure device according to claim 1, wherein the ~~control section~~ controller provides the terminal application installed at or deleted from the terminal according to ~~the~~ a communication scheme with the gate equipment.

4. (currently amended). The secure device of according to claim 1, further comprising a terminal setting management section that determines whether or not a setting to ~~[[valid]]~~ validate

for ~~[[the]]~~ a previous time with the terminal has been correctly invalidated while the ~~authentication section authenticator~~ is ~~carrying out~~ performing authentication with the gate equipment, and ~~permitting~~ permits authentication with the gate equipment only in the event of correct invalidation.

5. (currently amended). A secure device, comprising:

a receiver that receives information including card application identification information for identifying a card application, from a gate equipment when the secure device enters a range of communication of the gate equipment;

an ~~authentication section authenticator~~ that performs authentication processing for with the gate equipment according to a processing request from the gate equipment, and outputs a response for the gate equipment to a transmitter;

a ~~card application~~; and a holder that holds the card application, the card application corresponding to the card application identification information;

a ~~control section controller~~ that permits controls the card application designated by the gate equipment so as to permit an access from a terminal application of a terminal to the card application in the event of successful authentication of the ~~authentication section authenticator~~ with the gate equipment; and

the transmitter transmits the response to the gate equipment and transmits permission of access by the terminal application to the terminal when the security device enters the range of the gate equipment.

6. (currently amended). The secure device according to claim 5, wherein the ~~authentication section holds~~ authenticator has a database ~~recording~~ having information comprising a relationship between successfully authenticated gate equipment and the card application designated by the gate equipment, and the card application ~~decides~~ determines whether to permit or deny access based on the information of the database when there is an access request from the terminal application.

7. (currently amended). The secure device according to claim 5, wherein the ~~control section~~ controller sets the card application to valid or ~~invalid~~ use inhibited according to ~~[[the]]~~ a communication scheme with the gate equipment.

8. (currently amended). A secure device, comprising:

a receiver that receives information including card application identification information that identifies a card application, from a gate equipment when the secure device enters a range of communication of the gate equipment, the gate equipment being located outside the secure device;

an ~~authentication section~~ authenticator that ~~carries out~~ performs authentication processing with respect to a the gate equipment according to a processing request from the gate equipment, ~~[[and]]~~ registers identification information for ~~[[the]]~~ successfully authenticated gate equipment, and outputs a response for the gate equipment to a transmitter; ~~[[and]]~~

a holder that holds the card application, the card application corresponding to the card application identification information;

a controller that, for another equipment carrying out a predetermined operation, makes the card application verify a correspondence relationship between a card application sending the identification information for the gate equipment to an equipment carrying out a predetermined operation and the card application identification information when under the condition that the authentication section authenticator successfully performs authentication with the gate equipment in order to provide verification of the equipment, or verifying the identification information in place of the equipment, and controls the card application so as to permit an access by a terminal application of the equipment carrying out the predetermined operation in the event of a successful authentication result; and

a transmitter that transmits the response to the gate equipment and transmits permission of access by the terminal application to the equipment carrying out the predetermined operation when the secure device enters the range of communication of the gate equipment.

9. (currently amended). The secure device according to claim 8, wherein, for the other equipment, the card application sends receives input user identification information to the equipment in order to provide verification of the equipment, or from the other equipment, and verifies the user identification information in place of the other equipment.

10. (currently amended). A gate equipment, comprising:

a ~~communication section~~ communicator that communicates with [[a]] one of the secure device [[or]] according to claim 1 and a terminal holding the secure device, and transmits a request for installation, to the secure device when the secure device enters the range of

communication of the gate equipment; [[and]]

an authenticator that transmits a processing request to the secure device, via the communicator, and performs a gate application carrying out authentication processing with the secure device via the communication section, and designating a terminal application to be installed at the terminal for the successfully authenticated secure device ; and

a controller that outputs a request for installation of a terminal application to the communicator to transmit to the successfully authenticated secure device, the terminal application including terminal application identification information for identifying a terminal application to be installed at a terminal, and transmits the request for installation to the secure device, via the communicator.

11. (currently amended). A gate equipment, comprising:

a ~~communication section~~ communicator that communicates with [[a]] one of the secure device according to claim 5 and a terminal holding the secure device ; and , and transmits information including card application identification information for identifying a card application to the secure device when the secure device enters the range of communication of the gate equipment;

an authenticator that transmits a processing request to the secure device, via the communicator, and performs a gate application carrying out authentication processing with the secure device via the communication section, and designating a card application capable of being accessed by the terminal application of the terminal for the successfully authenticated secure device ; and

a controller that transmits information including the card application identification information to the successfully authenticated secure device, via the communicator, and controls a card application designated by the card application identification information so as to permit an access from a terminal application of the terminal to the card application.

12. (currently amended). A terminal apparatus, comprising:

a holder that holds the ~~holding~~ a secure device according to claim 1;

a receiver that receives a request for installation including terminal application identification information , ~~and installing a terminal application designated by a gate equipment from the secure device successfully authenticated with the gate equipment, the gate equipment being located outside the terminal of the secure device;~~

a transmitter that is used to transmit information for authentication with the gate equipment; and

an installer that installs a terminal application corresponding to the terminal application identification information, wherein an authentication operation with the gate equipment is enabled when the secure device enters the range of communication of the gate equipment.

13. (currently amended). The terminal apparatus according to claim 12, further comprising a terminal application suspension ~~management section for manager that~~, in the event that a new terminal application cannot be installed due to ~~there being too little~~ an insufficient memory capacity ~~at the time of receiving~~ when an installation request for the new terminal application is received from the ~~security~~ secure device, ~~installing~~ installs the new terminal

application after suspending the and saving a held terminal application in the secure device, then ~~deleting~~ deletes the installed new terminal application, and ~~restoring~~ restores the saved terminal application.

14. (currently amended). A terminal apparatus ~~holding a secure device~~, comprising:
a holder that holds the secure device according to claim 8;
a transmitter that transmits card application identification information and a request to
access a card application to the secure device; and
an accessor that comprises a terminal application accessing that accesses a card
application designated by a gate equipment in the card application when the card application
corresponding to the card application identification information is the same card application that
is designated by the gate equipment from among a plurality of card applications held by the
secure device that has been successfully authenticated with the gate equipment, wherein an
authentication operation with the gate equipment is enabled when the secure device enters the
range of communication of the gate equipment.

15. (original). The terminal apparatus according to claim 12, wherein the secure device is installed in a detachable state.

16. (original). The terminal apparatus according to claim 12, wherein the secure device is embedded in an integral manner.

17. (canceled).

18. (canceled).